

Westview Secondary School

Course Selection Booklet, 2026-2027



GRADUATION PROGRAM:

In order to graduate in British Columbia, students must complete the following:

- English 10, 11, and 12
- Socials 10 and 11 OR 12
- Science 10 and 11 OR 12
- Math 10 and 11 OR 12
- PE 10
- One ADST or Fine Arts class
- One First Peoples Principles Course taken in grade 10, 11 or 12, can include English First Peoples or BC First Peoples
- Career Life Education and Career Life Connections; including Capstone
- 7 other elective classes in grade 10 or higher

All grade levels must also complete the following:

- Grade 10 Graduation Numeracy & Literacy Assessments
- Grade 12 Graduation Literacy Assessment

DISTRICT PROGRAMS IN SD#42

ACADEMIES:

- Basketball - Westview Secondary
- Equestrian - Thomas Haney Secondary
- Hockey - Pitt Meadows Secondary and SRT
- Interdisciplinary Arts - Garibaldi Secondary
- Microsoft IT - Westview Secondary, Thomas Haney Secondary and SRT
- Soccer - Westview Secondary
- Softball – Garibaldi Secondary

SECONDARY SCHOOL APPRENTICESHIPS (YOUTH WORK IN TRADES)

This program is a partnership between SD42, an employer, and the 'Skills Trades BC'. The program is designed for students 15-19 years old, who are interested in skilled trades training. The goal of the program is to give students a 'head start' into apprenticeships that will prepare them for a career in the trades. Students earn up to 16 graduation credits (4 senior level courses) and an opportunity at a \$1000 scholarship upon successful completion of the program. To see if you qualify, please contact Brad_Dingler@sd42.ca or visit the district website at <https://apprenticeship.sd42.ca/>

DISTRICT TRADES PARTNERSHIP PROGRAMS (YOUTH TRAIN IN TRADES)

SD42 has partnered with a number of post-secondary institutions and trades training organizations to offer apprenticeship training programs for Grade 10-12 students and adult learners. Students going into Grade 12 have the option to graduate as well as earn first year post-secondary certification and apprenticeship training in one year with no tuition fees.

- Auto Service Technician (BCIT at WSS)
- Carpentry Level 1 (KPU)
- Construction Electrician (BCIT at GSS)
- Culinary Arts (VCC at GSS)
- Hair Design (VCC at SRT)
- Horticulture (KPU)
- Metal Fabrication (BCIT at SRT)
- Plumbing and Pipefitting (KPU at GSS)
- Construction-Carpentry (KPU at GSS or SRT)
- ECE - Early Childhood Education (Ridge Meadows College)

For more details and requirements of specific programs visit: <https://apprenticeship.sd42.ca>.

If you are interested in any of the District Trades Partnership Programs please see your Work Experience Teacher, Career Planning Assistant, or Counselor. In addition, you can contact Steve Wiebe (Trades Principal) at steven_wiebe@sd42.ca or Brad Dingler (District Trades Training Coordinator) at brad_dingler@sd42.ca.

WESTVIEW ACADEMIES

BASKETBALL ACADEMY

The Westview Basketball Academy features elite level sport-specific basketball instruction for student-athletes in grades 8-12. The program consists of Westview students, students from other local schools who choose to cross-enroll, and international students from countries such as Germany, Japan and Switzerland. Westview Basketball Academy sessions occur outside of the school timetable, in the mornings before school, and include some weekend events during the basketball season.



Basketball Academy student-athletes receive instruction in coaching, officiating, first aid, and sports training including the opportunity to receive certification through the National Coaching Certification Program. On-court sessions focus on physical literacy and fundamental movement, athletic skills guided by Canada Basketball's Long-Term Athlete Development model, and basketball specific training, including individual skill development and team concepts.

Basketball instruction is augmented with classroom theory sessions, strength and conditioning classes, and guest speakers. Students also have the opportunity to pinpoint a specific area for their own personal growth and, in collaboration with the teacher, design and implement a plan for improvement.

The fee for the Westview Basketball Academy will be \$800.00 (full year) or \$400.00 (half year). This includes a player gear package, including a custom basketball.

Please contact the school or visit our website wss.sd42.ca for more information.

COURSE CODES: XAT--09-BB/YLRA-0E-AB/MACLV11-AB/MACLV12-AB

SOCcer ACADEMY

The Soccer Academy at Westview Secondary is designed to serve students/athletes that have the desire, passion and drive to develop their individual and team skills in the game of soccer. The program consists of Westview students, students from other local schools that choose to cross-enroll and international students from countries like Germany, Spain, Japan, Korea, Syria, and Mexico to mention a few. The program has a strong commitment to excellence in student achievement and is fully integrated into the regular school timetable.

The Soccer Academy at Westview provides unique soccer specific courses. These courses have in-class and on-field instruction provided by qualified Westview Staff and local club coaches. In the classroom, students receive instruction in fitness, nutrition, strength training, sports philosophy, psycho-social training, goal setting, time-management, leadership skills, coaching strategies, and laws and history of the game. The on-field sessions focus primarily on individual skill development, team play and the three phases of the game that include the attacking, defending and transitional phases. In addition, students will be introduced to positional responsibilities, systems of play, set plays, and restarts.

The Soccer Academy has a fee of \$850.00 (full year) or \$425.00 (partial year).

Please contact the school or visit our website wss.sd42.ca for more information.

COURSE CODES: XAT-09-SA/YLRA-0B-AS/MACLV11-SA/MACLV-12-SA

ADST BUSINESS EDUCATION

ENTREPRENEURSHIP 12 (MENT-12)

Are you ready to think like an entrepreneur and turn ideas into action? In this course, you'll dive into the world of business creation, learning how companies are built, how they operate, and how to solve real-world challenges with innovative thinking. Entrepreneurship 12 is all about blending theory with practice. You'll explore key concepts in the classroom and put them to work through hands-on projects and assignments. Best of all, you'll gain real-life experience by running and improving Westview's very own Wildcatfé, where you'll help tackle challenges and drive success! This course will challenge you to communicate effectively, take initiative, and step into leadership roles. You'll collaborate with classmates, teachers, and peers to make a meaningful impact. If you're ready to develop essential skills like creativity, teamwork, and problem-solving, this course is for you. Step up and lead—your entrepreneurial journey starts here!

MARKETING & PROMOTION 11 (MMAP-11)

In this course, you'll explore both the theory and practice of marketing. Through classroom learning and hands-on projects, you'll apply key marketing concepts to real-world scenarios, including designing campaigns for Westview's very own Wildcatfé! Communication will be a cornerstone of your success—you'll work closely with classmates, teachers, and peers to bring your ideas to life. This course also emphasizes responsibility, leadership, and collaboration, equipping you with the skills needed to thrive in a team environment and preparing you for the Marketing world! Get ready to think creatively, solve problems, and make a real impact in our school community!

ADST HOME ECONOMICS

FOODS 9 (MADFS-9)

Foods 9 is an introductory course open to students in grades 9 and 10. The year starts out with a baking unit focused on measurement and procedure while baking tasty treats. The second portion of the year is built through meals for breakfast, lunch, snacks, and dinner. Throughout the year you will learn how to cook tasty, nutritious and inexpensive recipes. Foods you can expect to make include cakes, cookies, pizza, pasta and more. This course will help you become an expert at making wise decisions about the food you eat, as well as providing practical experiences in all areas of food preparation.

FOODS 10 (MFOOD-10)

You developed your skills in Foods 9, and now you are ready to attempt more difficult projects. It's time to plan your trip, pack your bag and book your flight as we take off and experience foods from around the world. Some examples of past units include Israeli, Mexican and Italian cuisines. Nutrition and meal planning are integrated throughout this course. This course is recommended for students in grade 10, 11 or 12 who have completed Foods 9.

FOODS 11 & 12 (MFOOD-11/MFOOD-12)

A course that is designed to allow students with prior cooking knowledge and experience the opportunity to attempt more challenging recipes and learn advanced meal preparation techniques. Students will explore various cookery principles while creating full course meals with an emphasis on presentation. Safety and sanitation will remain a priority as students hone their food preparation and

knife skills while communicating and collaborating with a partner. Units of study will include homemade fresh pasta like fettuccine and raviolis, a Japanese unit featuring sushi rolls, tempura and miso soup and many protein meals with beef, chicken and tofu.

BAKING 11 & 12 (YHECo1D-BK)

In this class you will study various baking methods including the basics such as muffins & cookies as well as more advanced methods such as cake, pastry & bread theories. You will learn about recipe development and modification including ingredients, functions, proportions, temperatures & preparation methods. There will also be a focus on decorating, and cultural influences on delicacies. All this learning will be through hands-on experience in the kitchen. This course is recommended for grade 11 or 12 students who have completed Foods 9 or 10.

TEXTILES 9 (MADT-09)

Expand your wardrobe and learn life-long skills in Textiles 9. Textiles 9 builds on the skills learned in Cats 8. If you want to learn how to operate a sewing machine and make your own clothes, this course is for you! Projects include pajama pants, hoodies, dresses and skirts. Projects are suitable for both boys and girls. The serger will be introduced and used for all seam finishing on projects created.

TEXTILES 10 (MTXT-10)

This course is for intermediate sewers. Students will learn strategies for altering garments, upcycling and repairing their own garments. Project choices include zipped hoodies, Mac Jacket, shirts, and pants. Students will look at how fabrics are produced around the world and how fabric is made. Tie-dying and beading are some of the fabric embellishments that will be introduced. The serger will continue to be used to enhance the finished products being created.

TEXTILES 11 (MTXT-11)

An advanced intermediate clothing and textiles course covering detailed sewing and construction techniques, more extensive use of specialized sewing equipment and personal wardrobe planning. Projects may include such items as active wear, polar fleece jackets, shirts, jackets, dresses, and pants. Projects made are suitable for both boys and girls.

TEXTILES 12 (MTXT-12)

For advanced sewers only. This course offers the opportunity to make a fully lined tailored jacket, fitted dress pants, bathing suits, exercise gear and to work with high-fashion hard-to-handle fabrics such as velvet, silk and leather. Students will learn construction techniques used by the professionals.

TEXTILES ARTS & CRAFTS 9 & 10 (YHEC-0C-AC)

This introductory course is open to Grade 9 and Grade 10 students looking to explore the various arts/crafts of Aboriginal Peoples. Students will learn how to bead, weave, felt and knit. Create button blankets, knit and create other projects specific to Aboriginal Peoples. Students will also have the opportunity to study the history and cultural significance of said crafts, while exploring how technology has affected the production of these crafts.

TEXTILES ARTS & CRAFTS 11 (YHEC-1C-AC)

This is the perfect course for the beginner/intermediate crafter in Grade 11-12. Learn about a variety of crafts including cross-stitching, crocheting, quilting, beading, knitting, appliqueing, felting and weaving. Seasonal crafts will also be introduced. Students will have an opportunity to choose what crafts to make and will design, create and assess their own work. Further study will look at the history of specific crafts, their evolution to today and how technology will affect the future.

FASHION DESIGN & MERCHANDISING 12 (MFIND-12)

Are you interested in clothes, fashion and style? Then, this is the course for you. This course explores the meaning and influence of the fashion industry. Students will explore the history of fashion and the fashion designers who have influenced fashion in the last 100 years. Students will develop an understanding of the way in which the elements and principles of design are used to create fashion. Students will also learn how to draw croquis and fashion drawings. No sewing or drawing experience is necessary.

ADST INFORMATION TECHNOLOGY

TEALS INTRO TO PYTHON PROGRAMMING (MADIT-09)

This is an entry level computers course where students will learn computer programming through the programming language called Python. This course is coordinated through the Microsoft TEALS program. The goal of this class is to get you confident in computational thinking and programming. Students will find foundation skills in programming in python in this course.

TEALS FOUNDATIONS OF PROGRAMMING IN PYTHON (MCSTU-10)

This is an entry level computers course where students will learn computer programming through the programming language called Python. Students do not require past computer programming skills. This course is coordinated through the Microsoft TEALS program. The goal of this class is to get you confident in computational thinking and programming. Students will find foundation skills in programming in python in this course. Students who have completed the grade 9 Intro to Python will be doing more challenging projects in this course.

MEDIA DESIGN 9 (MADMA-09)

Students will develop a wide range of Media Arts production skills to help them succeed in the digital world. Over the year, the students will learn a variety of skills and programs. These include 3D modeling, photo manipulation using Adobe Photoshop, character design in Illustrator and Adobe Animate. Film editing and special effects using Premiere. Students will create a portfolio of their work. Assessment will primarily take place based on project work and in the form of self-evaluation and teacher/student interviews.

MEDIA DESIGN 10 (MMEDD-10)

Students will develop a wide range of Media Arts production skills to help them succeed in the digital world. Over the year, the students will learn a variety of skills and programs. These include image compositing using Adobe Photoshop, graphic design and character design in Illustrator and Adobe Animate, and 3D modeling. Film editing and special effects using Premiere. Students will create a portfolio of their work. Assessment will primarily take place based on project work and in the form of self-evaluation and teacher/student interviews.

MEDIA DESIGN 11 & 12 (MMEDD-11/MMEDD-12)

In this course students will advance digital arts skills. Students will learn Video Editing and Special Effects with Adobe Premiere Pro and After Effects. Image compositing skills and Animation techniques. Students will have the opportunity to work with 2D or 3D graphics programs as well in their project work. Assessment will primarily take place based on project work and in the form of self-evaluation and teacher/student interviews.

DIGITAL GAME DESIGN 11 & 12 (YCAIS1B-DG/YCAIS2B-DG)

In this course students will learn to build their own game using Unity. You will learn foundation coding skills, 3D modeling and 2D asset making. Students will achieve course concepts and objectives by developing skills in both 2D and 3D video game design. Second Year Game Design students will have more time to build more complicated games as well as further developing their skills. Assessment will primarily take place based on project work and in the form of self-evaluation and teacher/student interviews.

MICROSOFT OFFICE ACADEMY 11 & 12 (MCINF-11/12)

This class enables students to obtain official Microsoft Certifications in a variety of Microsoft Office programs. This is a self-directed course in which students decide what program they wish to work on and when they are ready to take the official Microsoft examinations. The course will help students gain an advantage when it comes to job applications and performance. Students will gain confidence in the Microsoft Office Suite, which improves efficiency with other courses both in High School and Post-Secondary. The number of obtainable certifications can range from Word or Excel specialists to the goal of obtaining a MOS Master Certification. Students also have access to obtain Adobe Certifications for those students with past Media Arts experience once they have achieved their Microsoft Office certifications.

ADST SKILLED TRADES & TECHNOLOGY - METAL

METALWORK 9 (MADM-09)

Metal Technology 9-10 is an introductory course for students who are interested in learning a variety of Metalwork Techniques. Through the use of hand / power tools, welders, and machine shop equipment, students will use their newfound skills to create exciting projects. These include Pewter Cuttlebone Casting, Brass Embossing, Brass Whistle, Copper Wire Art, Campfire / Fireplace poker, and Stainless-Steel BBQ Flipper. No experience necessary!

METALWORK 10 (MTMET-10)

Metal Technology 10 builds on skills acquired in Metal 9. This is an introductory course for students who are interested in learning a variety of Metalwork Techniques. Through the use of more advanced techniques using hand / power tools, welders, and machine shop equipment, students will create exciting projects. These include Aluminum / Brass Ball Point Pen, Aluminum Dice, Belt Buckle / Money Clip and projects utilizing CNC cutting equipment. No experience necessary.

METALWORK 11 (MTMET-11)

Metal Technology 11 is an introductory course that builds on course concepts and skills developed in Metal Technology 9 -10. However, this course is open to all students regardless of prior experience. Students will learn to read mechanical drawings and further develop calculating and measurement skills. Students will use a variety of metalworking equipment including hand / power

tools, sheet metal equipment, welders, and machine shop equipment. Students will achieve course concepts and objectives by actually creating tools commonly found in the shop! These projects include Toolbox, Screwdriver, Machinist Square, Hacksaw, and Center Punch.

METALWORK 12 (MTMET-12)

The course will be based on individual project work, and various design problems. Students will build on their prior knowledge and enhance their skills by learning new techniques. If you enjoy welding, machining, and grinding, this course is for you. All you need is creativity and the desire to create something really neat! Note: Students who have previously enrolled in Metal 12A can take Metal 12B to further develop their technical ability and skill. This option is strongly suggested for students looking to enroll in a Post-Secondary Apprenticeship Program. This course is for students with previous metal work experience.

ART METAL & JEWELRY DESIGN 12 (MTAMJ-12)

Open to students in grades 10, 11, and 12, Art Metal & Jewelry Design is an introductory course that focuses on design and creativity using metal. Students can choose to create a variety of custom jewelry and art. This is achieved through the use of various machining, casting, sandblasting, acid etching, enameling, and hand tool procedures.

Projects include sterling silver rings and pendants, stain glass, pewter casting, and decorative pieces. The only course requirement is using your imagination! No experience necessary!

INDUSTRIAL DESIGN & ROBOTICS 11 & 12 (MTROB-11/MTROB-12)

Welcome to Industrial Design! The purpose of this course is to familiarize students with advanced and complex design and engineering procedures. This course utilizes industrial shop work, robotics, CNC machines including Routers, 3D Printers, Laser Cutters and Plasma Cutters blended with digital media. Students work in a sophisticated technological learning environment designed to promote their skills, knowledge, and abilities to solve complex and varied problems. Students will also take advantage of collaborative learning opportunities to prepare for postsecondary training opportunities through the use of VEX and Sphero robots. Critical thinking and problem solving are key aspects of the program. No experience necessary!

ADST SKILLED TRADES & TECHNOLOGY - WOOD

A key focus in all the woodwork courses at Westview is on environmental consciousness and sustainability. Students will be involved in the processes of milling lumber out of locally sourced raw logs by using a sawmill in our own shop. This lumber will then be used to supplement commercially produced and purchased lumber used in the production of projects in our shop. Additionally, the use of the Wood shop's CNC carvers as well as laser engravers will be a focus throughout all Woodworking courses.

WOODWORKING 9 (MADW-09)

This is an introductory course for students, teaching students how to safely have fun building cool projects in the wood shop. This course can be taken in either grade 9 or grade 10. Students will learn basic hand tool techniques as well as the use of many of the power tools in the shop. An introduction to both Laser engraving as well as CNC technology (computerized carving) and coding of these machines will be given. Students will learn how to easily customize their projects in order for them to look professionally done.

Topics to be covered include safety in the wood shop, basic woodworking theory, drafting, as well as processes including lamination of wood, basic cabinet construction and finishing techniques. Example projects may include a camp chair, decorative clock, as well as various lathe projects.

WOODWORKING 10 (MWWK-10)

This course is a continuation of Woodworking 9. Alongside the focus on safety and safe work habits in the shop, students will expand their woodworking skills and continue to build fun, useful projects. After reviewing skills learned in grade 9 by building a jewelry box, students will be introduced to cabinet making and will build a small cabinet project such as a nightstand along with several other smaller projects. Expanding student's experience coding and utilization of the shop's Laser as well as CNC machines will also be a focus.

WOODWORK 11 (MWWK-11)

Woodwork 11 is a course that will leave students with skills that can become a foundation for a lifetime of woodworking. This course can be taken as a continuation of Wood 10, or as a first introduction to Woodworking. Students will learn basic hand and machine tool skills as well as safe work practices, skills and habits. Students will be introduced to all of the major power tools in the wood shop and will use them to build their projects.

A continuation of coding and the use of the Laser as well as CNC machines (computerized carver) will allow students to add custom details to their projects, like names or a picture. Students will enjoy doing a variety of projects including decorative boxes, as well as small cabinet projects. Students will be introduced to the design process and will use that to create projects of their own design. This course will also prepare students who are interested in either having a career in the woodworking/construction industry or pursuing post-secondary education.

WOOD PRODUCTS SIGN BUILDING 11 & 12 (MWWK-11-SB/MWWK-12/SB)

The type and quality of the products that can be produced in the WSS Wood shop are of industry standard. Requests for items to be custom produced are received by the shop continually. This program is for Grade 11-12 students interested in gaining experience in primarily producing custom products for sale. Students will be involved in all stages from marketing products, design, manufacture as well as ensuring customer satisfaction. Profits from the sale of products will be reinvested in the class.

Prior experience in the wood shop is beneficial but not mandatory. Creativity, attitude and work ethic are the most valuable assets. Use of the sawmill to produce lumber from raw logs is a key feature for this course while the CNC as well as the laser machines will be used to customize products to a professional level. Products could range from signs, award plaques to small furniture items, cutting boards and charcuterie boards.

WOODWORK 12 (MWWK-12)

Woodwork 12 is a continuation of Woodworking 11 and is designed to allow students to take their woodworking skills to a higher level of mastery in construction, joinery, and finish. The emphasis of this course will be on furniture and cabinet construction. The primary focus of the course will be to allow students to practice what they have learned in previous courses and to deepen their understanding of the finer points of woodworking as well as how these skills can be applied in a real world setting to solve real world problems.

The projects that students will build will be designed to challenge their current skills, while reflecting the demands employers and post-secondary institutions expect of students emerging into the world of carpentry and woodworking. Laser as well as CNC work will be integrated into most projects. Students will be encouraged to incorporate projects developed in this course into their graduation portfolio for scholarship eligibility.

Students who have previously enrolled in Woodworking 12 can take Woodworking 12A and 12B to further develop their technical ability and skills. This option is strongly recommended for students interested in enrolling in a Post-Secondary Apprenticeship Program.

CAREER EDUCATION

In Grades 10-12, students define and refine personal career-life development goals through experiential learning, cultivating community connections, gathering authentic evidence of learning, and reflecting on competency development. The Grade 10-12 curriculum encourages students to move from exploring various career-life possibilities and practicing employability skills to applying their refined self-knowledge and career-life strategies as they move forward in advancing preferred future possibilities.

They explore post-graduation possibilities in diverse educational, work, and personal life contexts and build the personal career-life management skills needed to effectively pursue who and how they want to be in the world. Career-Life Education (CLE) and Career-Life Connections (CLC) are part of the graduation requirements, and Career-Life Connections include a career-life exploration component and a capstone.

CAREER LIFE EDUCATION 10 (MCLE-10)

Career Life Education 10 is a mandatory Graduation Program requirement that focuses on three units: Personal/Career Development, Connections with Community, and Career Life Planning. Each unit is designed to help the students better understand themselves, their role in their community, as well as plan for life beyond high school. Students will learn to use resources such as myBlueprint, WorkBC, and EducationPlanner, to aid in their planning. Students will also be introduced to and begin planning their Capstone.

CAREER LIFE CONNECTIONS 12 (MCLC-12)

Career Life Connections 12 is a mandatory course required for graduation. The aim is to enable students to learn personal development, make connections with the community, and to start work on their life plan. This course is designed around the following big ideas:

- Career life development includes ongoing cycles of exploring, planning, reflecting, adapting, and deciding.
- Career life decisions influence and are influenced by internal and external factors, including local and global trends.
- Engaging in networks and reciprocal relationships can guide and broaden career - life awareness and options.
- A sense of purpose and career-life balance support well-being.
- Lifelong learning and active citizenship foster career-life opportunities for people and communities

ENGLISH

- **ENGLISH LANGUAGE ARTS 10**

NEW MEDIA & LITERARY STUDIES 10 (MNMD-10/MLTST-10)

This course builds reading and writing competencies by introducing various themes, time periods, authors, and/or literary works from around the world, and looks at the changing role of technology in today's society, and the increasing importance of digital media in communicating and exchanging ideas and knowledge. Literary Studies will explore a variety of literature and literary formats including poetry, short stories, novels, drama, graphic novels, children's literature, Canadian literature, and Indigenous texts.

New media will focus on the influence media has on the arts, everyday life, including the influence of film, social media, advertising, and all forms of journalism. Emphasis will be on writing for specific audiences and also in specific disciplines, how to incorporate and cite sources, and how to evaluate media and academic sources for quality and reliability. This course may include essay and paragraph writing, journalistic writing, novel studies, poetry, plays, short stories, etc.

NEW MEDIA & CREATIVE WRITING 10 (MNMD-10/MCTWR-10)

This option builds reading and writing competencies by introducing structures, forms, styles of composition, and a range of writing genres, including New Media. Creative writing will focus on contemporary creative forms such as slam poetry, oratory, rap, drama, song, graphic novels as well as creative nonfiction and historical fiction. Students will develop and share their creative writing through a variety of forms that combine visual, written, and oral presentations.

New media will focus on the influence media has on the arts, everyday life, including the influence of film, social media, advertising, and all forms of journalism, including formal and informal essays. Students will both critique and create forms of social media, advertising, and all forms of journalism. This course may be for you if you enjoy writing song lyrics, poetry, short stories, screen plays, and any other forms of creative expression. This course may include essay and paragraph writing, novel studies, poetry, plays, short stories, etc.

- **ENGLISH LANGUAGE ARTS 11**

Choose one course from the following options.

CREATIVE WRITING 11 (MCTWR-11)

Creative Writing 11 is designed for students who are interested in refining their writing skills through self-expression. This course develops written and verbal expression through the study and analysis of a wide range of literary genres and a focus on personal and cultural identity, memories, and individual experiences. Students will focus on short fiction and poetry, creative nonfiction, and memoir-style writing, including electronic media (blogs, movies, interviews, reporting) and all forms of drama (comedy, romance, et al).

LITERARY STUDIES 11 (MLTST-11)

Literary Studies 11 explores fiction and non-fiction themes, time periods, and authors from around the world in a variety of media. This course develops literacy skills through close reading of a variety of genres. Students will focus on the critical and analytical study of the selected texts as well as writing in various genres including fiction, biography, and poetry. The aim is for students to comprehend and

respond to oral and written language and learn to communicate ideas, information, and their feelings critically, creatively, and articulately.

ENGLISH FIRST PEOPLES 11 (MEFLS11)

This course uses the rich and dynamic voices of Indigenous authors from Canada and around the world to develop literacy skills through close reading of a variety of text and text forms. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for students to think critically and creatively as they continue to explore, extend, and strengthen their own writing and communication. Students will increase their capacity to communicate effectively in a variety of contexts, deepen their understanding of themselves and the world, and expand their understanding of what it means to be educated Canadian and global citizens. This course will satisfy the Indigenous course requirement for graduation.

• ENGLISH LANGUAGE ARTS 12

Choose one course from the following two options: English 12 or English First Peoples 12. Completion of one of these two courses is a requirement for graduation.

ENGLISH 12 (MENST-12)

English 12 completes the Secondary experience in the study of writing and representing, reading and viewing, and speaking and listening. The course stresses critical analysis of various forms of literature and communication, including short stories, poetry, essays, novels, drama, and films. Students will learn to comprehend and respond to literary devices, inferential interpretations, and a variety of styles and techniques in writing, including new media and internet-based composition.

ENGLISH FIRST PEOPLES 12 (MENFP-12)

English First Peoples' 12 completes your secondary English Language Arts experience. This course stresses critical analysis of various forms of literature and communication, including short stories, poetry, essays, novels, drama, and films, all by examining the rich and dynamic voices of Indigenous authors from Canada and around the world.

Students delve into First Peoples' oral and written literature using a range of media to explore various themes, authors, and topics. EFP 12 provides a foundation for students to think critically as they continue to explore, extend, and strengthen their own writing. Students will increase their capacity to communicate effectively in a variety of contexts, deepen their understanding of themselves and the world, and expand their understanding of what it means to be educated Canadian and global citizens. This course will satisfy the Indigenous course requirement for graduation.

ENGLISH LANGUAGE ARTS ELECTIVES

CREATIVE WRITING 12: The Writer's Workshop

Do you love to write? Have you ever wanted to be published? This is your chance to create a book-length project in the genre of your choice. You'll collaborate with peers in our Writer's Workshop to create and present your work under the guidance of a published writer/teacher. Learn about the submission process, the publishing industry, as well as pathways to a professional writing career. Topics covered: discovering your voice, exploring genre and form, generating ideas, writing words that work, engaging in the critical process, learning revision strategies, making chapbooks, and much

more. There are many opportunities for cross-curricular and hands-on learning as we produce our final books and work toward publication.

ENGLISH LANGUAGE LEARNING

- ENGLISH LANGUAGE SUPPORT**

English Language support or instruction is available to all students who have been in British Columbia less than 5 years and whose facility with the English language is not sufficient to enable them to fulfill academic requirements. The ELL teacher will arrange an initial assessment. The program includes instruction in reading, writing, listening and speaking with an integrated approach to grammar. Homework is required. Placement in the program is through teacher recommendation only.

ELL SUPPORT (XAT-09-EL/XAT-10)

English Language support is available to all students who have been in British Columbia less than 5 years and whose facility with the English language is not yet sufficient to enable them to fulfill academic requirements independently. This course provides weekly scheduled time for students to get one-on-one support from their English Language Learning support teacher, and to develop their learning and study skills. There is a language assessment as part of enrolling in this course. This course can be taken as supplemental to English Language Learning 10 or 11, or independently.

ENGLISH LANGUAGE LEARNING 10 & 11 (YESFL0B-LD/YESFL1B-LD)

English Language Learning is for any students who would benefit from additional practice in English and/or explicit instruction in English grammar. Each grade level of ELL includes instruction in speaking, listening, reading, and writing, as well as grammar. Students are placed according to grade and language level, and there is a language assessment as part of enrolling in this course.

FINE ARTS ART

VISUAL ARTS 9 (MVA-09)

Build a strong foundation of technical skills and knowledge through this introductory 2D and 3D course. Explore a variety of techniques and media such as acrylic, pastel, pencil, tempera, clay, wire, wood or watercolor while exploring a variety of themes and concepts.

VISUAL ARTS 10 (MVAD-10)

In this 2D and 3D course, students will develop technical skills and explore concepts through a broad exposure to various media. Emphasis is placed on the application of art and design principles. Both teachers led and inquiry-based projects encourage students to develop strong technical skills as well as a personal art style.

VISUAL ARTS 11 (MVAD-11)

This course offers students more advanced instruction and experience in all areas of the visual arts through a broad range of 2D and 3D media. Develop a personal art style and experiment with various art concepts while also further exploring media such as pottery, painting, drawing and printmaking. Students are encouraged to explore individual styles while producing a diverse body of two and three-dimensional work.

ART STUDIO 11 - PORTFOLIO DEVELOPMENT (MVAST-11)

This class is designed especially for students who feel they have a good understanding of the basics of art making and are ready to begin an independently directed course of study. Students will be expected to produce a minimum number of works per term in a combination of advanced technical or personal style development exercises. Student led learning is provided as needed for individuals or in groups. ** Pre-requisites: Minimum 2 full years prior Westview art classes, or by portfolio interview.

VISUAL ARTS 12 (MVAD-12)

This course offers students more advanced instruction in both 2D and 3D media. Media may include graphite, charcoal, pastel, ink, clay, and explores the potential for mixed-media pieces. If desired, students may receive assistance in portfolio preparation for post-secondary applications. The course emphasis is on the development of each student's expressive potential through the visual arts.

ART STUDIO 12 - PORTFOLIO DEVELOPMENT (MVAST-12)

This class is designed especially for students who feel they have a good understanding of the basics of art making and are ready to begin an independently directed course of study. Students will be expected to produce a minimum number of works per term in a combination of advanced technical or personal style development exercises. Student led learning is provided as needed for individuals or in groups. ** Pre-requisites: Minimum 2 full years prior Westview art classes, or by portfolio interview.

FINE ARTS - DRAMA

Junior Drama 9 & 10 (MDRM-10/MDR-09)

This course provides opportunities for students to engage, explore, communicate, and understand different elements and experiences within the world of Drama. Students will dig deeper into theatre, comedy, production, and film through dramatic forms and techniques. In this class students will look at a wide variety of sources, work collaboratively, and continue to grow confidence on and off the stage. This course will provide opportunities for students to explore the different elements of drama productions, to become a part of a community where every member is an integral part of the process, and to be given the opportunity to develop different creative pieces within the world of Drama.

Senior Drama 11 & 12 (MDRM-11/MDRM-12)

This course provides the opportunity for students to continue to develop, engage, explore, communicate, and understand different elements and experiences within the world of Drama. Students will look further into theatre, comedy, and production through dramatic forms and techniques. In this class students will look deeper into different elements of theatre production, become a part of an ensemble community, develop characterization, and work towards a class theatre production from start to finish to be performed.

CATS Drama 8 (MDR-08)

This course is an introduction into the world of theatre, comedy, production, film and more! In this class students will have the opportunity to explore some dramatic forms and techniques, work collaboratively with others, learn, and engage in the world of comedy, and create their own mini productions. Throughout this rotation students will create, perform, discuss, and analyze the world of drama, as well students will work towards becoming comfortable in performing both on and off the stage.

Theatre Company 9-12

These are off-timetable Courses. Our current season runs from September through June. Performances will take place in the Spring. It runs on Mondays from 3pm-5pm, Online course work *With additional rehearsals and times prior to the performance. (**Formally Known as Drama Club**) you will choose either performance or production.

Theatre Performance 9-12 (MDRTC)

In this course, students develop ensemble building, organization, time management, problem solving and communication skills through practical experience of producing a live show. This course focuses on expression, trust, and critical analysis. It also offers students an aesthetic experience with the power to communicate ideas through movement, sound, imagery, and language.

This is an outside of the timetable course that requires students to be in class after school one day a week (Mondays from 3-5) additional times leading towards a production as well as during production (rehearsals, dress rehearsals, hell week, matinee performances and evening performances).

Theatre Production 9-12 (MDRTP)

In this course, students learn area specific techniques and vocabulary while gaining 'on the job experience' for production departments such as lighting, sound, stage management, hair & makeup, running crew, set construction, and front of house. In this course students focus on areas where Theatre production cultivates creativity and collaboration by encouraging innovative solutions to challenges. Production will look at the tools, mechanics, design elements, technical theatre, and theatre management. It is also applicable to a variety of career and life situations.

This is an outside of the timetable course that requires students to be in class after school one day a week (Mondays from 3-5) additional times leading towards a production as well as during production (rehearsals, dress rehearsals, hell week, matinee performances and evening performances).

Film Studies 11 & 12 (MDFT-11/MDFT-12)

You will debate the history, purpose and contribution of films, learn about the elements of film and film techniques, explore film genres and analysis, learn about the film industry and film production, and do a deep dive into specific films. Bring your popcorn and get your think on! This course is amazing.

FINE ARTS - MUSIC

JUNIOR BAND 9 (MMU-09-CB)

This course is designed for those students who have played a band instrument for one year. These students will perform music from the beginning to a more advanced level. Students are expected to provide their own instruments and supplies. This is a performance course and will involve performances at the school, evening concerts throughout the year, and provide the opportunity for participation in a band trip and attendance at music festivals.

INTERMEDIATE BAND 10 (MMUCB-10)

This course is designed for those students interested in continuing to play an instrument within the concert band setting. These students will perform music of a more advanced level. Students are expected to provide their own instrument and supplies. This is a performance level course and will involve performances at the school, evening concerts throughout the year, and provide the opportunity for participation in the annual band trip.

SENIOR BAND 11 & 12 (MIMCB-11/MIMCB-12)

This course is designed for those students interested in continuing to play a band instrument within the concert band setting. Music and techniques will be of interest to those students with advanced level ability on their instruments. Students are expected to provide their own instrument and supplies. This is a performance course and will involve performances at the school, evening concerts throughout the year, and the opportunity to attend music festivals and participate in the annual band trip.

JAZZ BAND 9-12 (MMU-09-JB/MMUJB-10/MIMJB-11/MIMJB-12)

This course is designed for those students interested in playing jazz and rock music. This course is open to students with an intermediate to advanced level of ability on their instruments, and who are interested in improvisation. Students are expected to provide their own instrument and supplies. This is a performance level course and will involve performances at the school and provide the opportunity to participate in the annual band trip. This course is offered before school (7:30-8:25 am) on Tuesdays and Thursdays. Students in this course must be enrolled in Concert Band or Concert Choir and have permission from the instructor to take this course.

CHOIR 9-12 (MMU-09-CC/MMUCC-10/MCMCC-11/MCMCC-12)

If you enjoy singing and would like to learn how to improve your voice, this course is for you. No previous choral experience is necessary to be successful. Students will receive instruction in proper vocal technique, unison and part singing, sight singing, and basic theory. They will have the opportunity to sing music in a variety of styles such as rock, musical theatre, and jazz. This is a performance course and will require students to participate in extra-curricular performances at the school and other venues.

FINE ARTS - PHOTOGRAPHY

PHOTOGRAPHY 9 (MAE-09)

Photography 9 is an entry level course where students were introduced to the technology and concepts of digital photography and digital SLR cameras. This class will cover the elements and principles of fine arts and image development strategies. Students will work with photo editing software, which will enable them to enhance, edit, crop, or adjust their pictures to match their vision. The students will also study the history of photography as a medium. Student use of their own cameras is encouraged but not essential as there will be cameras for student use. A strong interest in photography as well as self-motivation are a prerequisite to success in this course.

PHOTOGRAPHY 10/11/12 (MVAPH-11/MVAPH-12/MVAPH-10)

Photography will introduce the students to the technology and concepts behind digital and digital SLR cameras. They will work with photo editing software, which will enable them to enhance, edit, crop, or adjust their pictures to match their vision. The students will also study the history of photography as a medium. Most importantly, the students will be required to prepare a portfolio of their work and to exhibit some of their photos in the Fine Arts celebration at the end of the year. Sometimes, students will be required to take photographs for the yearbook and complete assignments on their own time. It is not expected that students will come equipped with their own cameras and SD cards, but it is a recommendation. This course requires a very high level of independence and motivation but does not require any prerequisite knowledge in photography.

YEARBOOK 11 & 12 (MGRPR-11/MGRPR-12)

This course is offered to students in grades 10 to 12. Students will be required to put in extra time, before, during and after school, in order to cover events and meet deadlines. Yearbook provides an opportunity to learn photography, writing and page design skills and gain experience using Adobe programs such as: Photoshop, Illustrator and InDesign. Yearbook also provides opportunities in the areas of teamwork, leadership and real-life working deadlines. It is important to note that this course is for students who can work independently and are self-motivated.

MATH

WORKPLACE MATHEMATICS 10 (MWPM-10)

This course is designed to provide students with mathematical understanding and critical thinking skills identified for entry into the majority of trades and for direct entry into the workforce. The course will concentrate on number sense with practical applications, working with money, algebra, measurement, and trigonometry, and will continue to focus on the mathematical skills learned in Math 8 and 9. Students with a credit for Workplace Mathematics 10 are eligible to take Workplace Mathematics 11.

*Students and parents are encouraged to research the admission requirements for post-secondary programs as they vary by institution and by year. It is important for students who enter the Workplace stream to be aware that universities and some college programs will not accept these courses as a math prerequisite.

FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10 (MFMP-10)

This course is designed to provide students with mathematical understanding and critical thinking skills identified for post-secondary studies in both the arts and the sciences. The course will concentrate on algebra, number theory and operations, relations and functions, trigonometry, measurement, and logical reasoning, and will continue to focus on the mathematical processes learned in Math 8 and 9.

*Students and parents are encouraged to research the admission requirements for post-secondary programs as they vary by institution and by year.

WORKPLACE MATHEMATICS 11 (MWPM-11)

This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include reasoning, rates of change, measurement, and statistics. The abstract ideas are minimized in this course and the emphasis is on practical skills with the use of calculators. This course satisfies the Ministry of Education's mathematics graduation requirements. Students may enter this course as a continuation of Workplace Mathematics 10 or upon department recommendation.

*Students and parents are encouraged to research the admission requirements for post-secondary programs as they vary by institution and by year. It is important for students who enter the Workplace stream to be aware that universities and some college programs will not accept these courses as a math prerequisite.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue on to Foundations of Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in math or sciences should take Pre-Calculus 11.

PRE-CALCULUS 11 (MPREC-11)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math or sciences. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-Calculus 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in the arts or the humanities should take Foundations of Mathematics 11. Due to the high need for strong numerical, algebraic and problem-solving skills, this course is only recommended for those students who have a final grade of 60% or higher in Foundations and Pre-Calculus Mathematics 10. Students with less than 60% should consult with their teacher before choosing this course.

APPRENTICESHIP MATH 12 (MAPPR-12)

This course is designed to provide students with mathematical understandings and competencies identified for entry into the majority of trades. Curricular content includes 2D and 3D Geometry, right-angle trigonometry, circle geometry, measurement and financial literacy. Curricular competencies such as estimating, visualizing, modeling, use of technology and communicating are experienced through the mathematical curricular content.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

This course is designed to provide students with mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. This might include the Humanities, Fine Arts, some Trades and Technical programs. This course involves the study of puzzles, compound interest and investment portfolios, set theory, probability, polynomial exponential logarithmic and sinusoidal functions, and current events in math.

PRE-CALCULUS 12 (MPREC-12)

This academic math program is designed to prepare students for higher level mathematics as required for many post-secondary institutions' science and math programs. This course includes the following topics: combinatorics, binomial expansion, composite functions, transformations of graphs, exponential and logarithmic functions, polynomial factoring, radical and rational functions, trigonometry, equations and identities. This is a demanding and challenging course. Students not only require mathematical ability but also solid and consistent work habits.

CALCULUS 12 (MCALC-12)

This course is designed for students who intend to take Calculus at the post-secondary level. Students who take Calculus in high school have a much greater advantage in post-secondary mathematics than students who graduate with only Pre-Calculus 12. Students will have the option of writing the Challenge Exam offered by BC universities. Calculus 12 is strongly recommended for all students planning to study Mathematics or Sciences at Post-Secondary.

MODERN LANGUAGES

Being able to communicate in an additional language is an important social and job skill in such a multicultural province as British Columbia, not to mention our ever-increasing global village. We offer both French and Spanish, two of the world's most widely spoken languages at Westview. It is important to keep in mind that the same general language-learning skills and concepts apply to the study of both languages.

FRENCH 9 (MFR-09)

French students build on their content knowledge from year to year.

Students develop competencies in listening to understand, communicating effectively, presenting their ideas in French with confidence and fluency, and understanding the connections between language and culture. Although listening and speaking skills (with emphasis on participation rather than proficiency) are still the main focus of this level; students will participate in activities to gradually develop reading and writing skills.

FRENCH 10 (MFR-10)

French students build on their content knowledge from year to year.

Students develop competencies in listening to understand, communicating effectively, presenting their ideas in French with confidence and fluency, and understanding the connections between language and culture. While oral participation is still essential, more emphasis will be placed on language proficiency at this level. Written and oral activities will have a more grammatical focus than in previous levels.

FRENCH 11 (MFR-11)

French students build on their content knowledge from year to year. Students develop competencies in listening to understand, communicating effectively, presenting their ideas in French with confidence and fluency, and understanding the connections between language and culture. French 11 offers students a more in-depth study of the grammatical elements of the language. There is greater emphasis on reading and writing skills. French 11 satisfies the language requirements for entry into all BC Post Secondary Institutions.

FRENCH 12 (MFR-12)

French students build on their content knowledge from year to year. Students develop competencies in listening to understand, communicating effectively, presenting their ideas in French with confidence and fluency, and understanding the connections between language and culture. French 12 serves as an advanced study of language. Students have opportunities to fine tune their reading, writing, speaking and listening skills. French 12 satisfies the language requirements for entry into BA programs required by many post-secondary Institutions.

SPANISH 10 (MSP-10)

Spanish 10 provides students with opportunities to continue to develop their knowledge, understanding, and appreciation of the Spanish language and Hispanic culture. Although listening and speaking skills (with emphasis on participation rather than proficiency) are still the main focus of this level; students will participate in activities to gradually develop reading and writing skills.

SPANISH 11 (MSP-11)

While oral participation is still essential, more emphasis will be placed on language proficiency at this level. Written and oral activities will have a more grammatical focus than in previous levels. Students will continue to explore Hispanic culture. Spanish 11 satisfies the language requirements for entry into all BC Post Secondary Institutions

SPANISH 12 (MSP-12)

Spanish 12 offers students a more in-depth study of the grammatical elements of the language. There is greater emphasis on reading and writing skills. Students will be provided with opportunities to continue to develop and practice all language skills. Spanish 12 satisfies the language requirements for entry into BA programs required by many Post-Secondary Institutions.

PHYSICAL & HEALTH EDUCATION

GRADE 10 PHE is a GRADUATION REQUIREMENT, there are 2 options.

PHYSICAL & HEALTH EDUCATION 10 (MPHED-10)

PHE 10 will include a variety of team sports and individual activities based on the skills and interest of students. Examples of unit's students may have the opportunity to participate in include a variety of physical activities, such as football, volleyball, minor games, and fitness. Active participation is a key component of PE, as students will need to participate to develop the skills, knowledge and attitudes that will enable them to enhance their quality of life through an active living lifestyle. Emphasis will be on the development of leadership skills, learning through play and fitness.

***For GRADE 11 & 12 PHE is an elective course.**

PHYSICAL & HEALTH EDUCATION 10 (FITNESS and CONDITIONING) (MPHED-10-ST)

FITCON will provide students with a comprehensive look at fitness as it applies to leading a healthy lifestyle. Students will be introduced to basic anatomy and physiology as well as how to train their muscular strength and endurance, flexibility and cardiorespiratory fitness. Students will also learn about nutrition and body weight management, exercise safety and fitness leadership. Through participation in a variety of fitness activities, this course will enable students to improve their level of fitness.

***For GRADE 11/12 PHE is an elective course.**

ACTIVE LIVING 11 & 12 (MACLV-11/ MACLV-12)

PHE 11/12 (**competitive** option) is designed for students who enjoy team sports and individual activities with a competitive edge in a variety of settings. Students will participate in a variety of school-based activities, such as football, volleyball, combative games, and much more. Through active participation, students will acquire the skills, knowledge and attitudes that will enable them to enhance their quality of life through active living. Emphasis will be on the development of leadership skills, learning through play and fitness.

FITNESS & CONDITIONING 11 & 12 (MFTCD-11/MFTCD-12)

This course was previously known as “Superfit” and provides students with the knowledge to develop and execute a physical fitness program that will enhance individual fitness levels, health and body image. Students will learn to achieve their goals by acquiring knowledge in the areas of

physical development, fitness and nutrition. The content of this course will help develop a life-long appreciation of the benefits of physical activity. All community field trips will be OPTIONAL.

ACTIVE LIVING - RUGBY 10/11/12 (MACLV-11/ MACLV-12)

This course is designed for students looking to learn the fundamentals of rugby, while also improving their physical fitness, health, and athleticism. Throughout the course a variety of strength and conditioning exercises, speed and agility drills, skill-building activities and tactical learning will be offered. This course embraces a team environment, focused on developing strong communication and leadership skills. By focusing on rugby-skill development, physical conditioning, and learning the rules of the game, students will gain a comprehensive understanding of rugby and learn to perform effectively on the field. The course will help students build their strength, fitness, athleticism and rugby knowledge in a fun, safe and supportive environment.

YOGA 11 & 12 (YHRA-1D-YF/YHRA-2D-YF)

Are you interested in improving your overall flexibility, strength, and mental health? This class is for grades 11 and 12, and no experience is necessary. Whether you are trying to cope with the demands of being a teenager, or the tightness in your body from sports, yoga may be the answer. This course will introduce students to different styles of yoga through various poses and breathing techniques. Yoga has both physical and mental benefits leading to improved muscle tone, flexibility, balance, concentration and stress management. Course expectations include active participation in yoga routines and completion of a portfolio (this includes journals, reflections of lessons and artwork). Get ready to experience classes balanced with energy and relaxation while having fun!

SCIENCE

CHEMISTRY 11 (MCH-11)

This course will deal with chemical formulae, chemical reactions, periodicity, quantum mechanics, electron configuration, chemical bonding based on electronegativity, Lewis structures, inter and intramolecular forces, the mole, stoichiometry, molarity, solubility, organic compounds, and applications of organic chemistry.

This is a demanding and challenging course; it requires students to have solid work habits and a good mathematical ability. Chemistry 11 is strongly recommended for all students planning to study sciences at college or university; it is a required course for application to many post-secondary science programs.

EARTH SCIENCES 11 (MESC-11)

This course is for students interested in learning more about our dynamic Earth. Students will engage in research, projects, and hands-on activities while learning about four branches of Earth Science: Geology, Oceanography, Meteorology and Astronomy. Topics include: earth materials (rocks and minerals), BC's natural resources (mining), Earth's history, plate tectonics (earthquakes and volcanoes), water sources, ocean processes, climate change, extreme weather conditions, and the solar system (stars and Earth-moon-sun system).

LIFE SCIENCES 11 (MLFSC-11)

Life Sciences 11 will explore the story of life. We will investigate how organisms may have originated from a single cell and evolved into the many forms of aquatic and terrestrial organisms we see today. The course explores the worlds of bacteria, viruses, protists, fungi, plants, and animals from an

evolutionary perspective. Throughout the course, we also examine how these organisms affect us and each other.

This hands-on course will include lab work using microscopes, observing and dissecting both plant and animal specimens, and may include field trips to education centers (such as the Vancouver Aquarium, local tours, etc.).

Life Science 11 is strongly recommended for any student considering a career in the biomedical, dental, or health sciences as it will provide a foundational understanding of disease-causing microbes, sterile techniques, and the function of the immune system. Life Sciences 11 is a challenging course which prepares students for both Environmental Science 12 and Anatomy & Physiology 12.

PHYSICS 11 (MPH-11)

This course will deal with vector and scalar quantities, uniform and accelerated motion, projectile motion, contact forces, factors that affect magnitude and direction, Newton's Laws of Motion, forces in systems, conservation of energy, power and efficiency, simple machines, electrical circuits, Ohm's Law, Kirchhoff's Law, thermal equilibrium, specific heat capacity, waves (generation, propagation, properties and behaviour), and sound (characteristics, resonance, and frequency).

This is a demanding and challenging course; it requires students to have good mathematical ability and solid work habits. Physics 11 is strongly recommended for all students planning to study physical sciences or engineering at college or university; it is a required course for application to many post-secondary science programs as well as many trades programs.

ANATOMY & PHYSIOLOGY 12 (MATPH-12)

Anatomy and Physiology 12 is the study of cell structure, biological molecules, cell transport, cell metabolism, gene expression through DNA and protein synthesis, protein structure and function, genomics, and how the body systems are integrated to maintain homeostasis.

Anatomy and Physiology 12 is a challenging course; it is a higher-level course that requires students to have strong study skills and solid work habits. Students should expect homework every day, including daily review of course material. Anatomy and Physiology 12 is recommended for students planning to study sciences, especially health sciences, at university.

CHEMISTRY 12 (MCH-12)

Chemistry 12 is a continuation of the concepts covered in Chemistry 11. Topics covered include reaction rate, collision theory, energy change during reactions, reaction mechanisms, dynamic equilibrium, Le Châtelier's Principle and K_{eq} , saturation solutions and K_{sp} , water as an equilibrium system and K_w , relative strengths of acids and bases, K_a and K_b , titration, hydrolysis of salts, oxidation and reduction reactions, electrochemical cells, and electrolytic cells.

Students enrolling in Chemistry 12 must have a solid understanding of the mole, stoichiometry, molarity, and solubility. Chemistry 12 is strongly recommended for all students planning to study sciences at university; it is a required course for application to many post-secondary science programs.

ENVIRONMENTAL SCIENCE 12 (MEVSC-12)

Environmental Science 12 will explore our diverse environments and how living things, water, land, and air interact. We will study biodiversity and ecosystems, resources and energy, water systems and management, soil science and land use, the atmosphere and air quality, and pollution. We will investigate environmental impacts and living sustainably through sectors such as wildlife protection, forestry, technological development, engineering, and education. We will use local environmental examples, while relating them to the broader global picture.

This hands-on course will include lab work, watching and analyzing documentaries and films, outdoor activities and field trips such as testing and analyzing local environments and trails, Great Shoreline clean-ups, and visiting education centers (such as the Capilano watershed, the Vancouver Aquarium, the Powerhouse at Stave Falls, etc.).

Environmental Science 12 includes assessments throughout the year, with no final exam. This course will earn you graduation credit.

GEOLOGY 12 (MGEOL-12)

This course is a continuation of the concepts covered in Earth Science 11. Topics include geology, mineral extraction processes, relative dating, absolute dating, geologic time scale, the fossil record, earthquakes, seismology, volcano features, isostasy, weathering and erosion, running water, glaciers, and groundwater. This course is suggested for most post-secondary science programs.

PHYSICS 12 (MPH-12)

Physics 12 is a continuation of the concepts covered in Physics 11. Topics covered include: frames of reference, special relativity, relativistic effects, static equilibrium, uniform circular motion, gravitational fields and Newton's Law of Universal Gravitation, gravitational potential energy, gravitational dynamics and energy relationships, electric field and Coulomb's Law, electrical potential energy, electric potential, electrical potential difference, electrostatic dynamics, magnetic fields and forces, electromagnetic induction, impulse and momentum, and conservation of momentum and energy in collisions.

Students enrolling in Physics 12 must have a solid understanding of kinematics including uniform acceleration, Newton's Laws, graphical methods, single-dimensional momentum and energy.

Physics 12 is strongly recommended for all students planning to study sciences at university; it is a required course for application to many post-secondary science and engineering programs.

SOCIAL STUDIES

Social Studies is a required course for all students in order to meet graduation requirements. Socials Studies focuses on building critical thinking, research, presentation and communication skills as students' progress from Socials 8-12.

BC FIRST PEOPLES 12 (MBCFP-12)

BC First Nations 12 explores the cultures, history and languages of British Columbia's First Nations peoples. The course continues where Social Studies 10 leaves off, delving deeper into topics such as Aboriginal cultural practices, the traditional Aboriginal relationship to the natural world, forms of Aboriginal cultural expression, the effects of European contact and colonialism on Aboriginal communities, in addition to more contemporary issues such as self-government, residential schools, First Nation leadership, and stewardship of the environment.

There will be opportunities for students to engage in creative art projects, participate in field trips, and benefit from guest speakers. In taking this course, it is hoped that students will gain a broader understanding and greater appreciation of the history and culture of the First Peoples. As a senior course, First Nations 12 is worth 4 credits. First Nations 12 is open to all Grade 11 and 12 students and can be taken as an alternative to Social Studies 11. First Nations 12 is highly recommended for those students who are interested in exploring cultures in a more in-depth way or who may be interested in studying anthropology in college or university.

COMPARATIVE CULTURES 12 (MCMCL-12)

This course will be a journey through time to the most influential and exciting civilizations that have existed in our past. Ancient societies like Egypt, Greece and Rome still have lasting impacts on so much of our modern world. By exploring some of the earliest and most interesting societies, we can try to determine what it was like to live there, why they were able to thrive, what new ideas did they contribute to history and how do they compare to our societies today. Amazing questions will be asked: What was the earliest organized civilization? Which societies lasted the longest and contributed the most? How and why did they build wonderous structures like the pyramids or the Colosseum? How did they come up with ideas like democracy or university? How did they conquer the world and hold so much power? How were they able to accomplish feats that fascinate us even today? If you love learning about the history of amazing people, places and ideas, this is the course for you.

HISTORY 12 (MWH-12)

History 12 looks at the major events and people who have shaped the world we live in today. Students will learn to analyze and interpret historical events of the Twentieth Century from 1917-1991. History 12 includes the following topics: Russia from Revolution to the collapse of Communism; the rise of Fascism and Great Depression; World War Two and the Holocaust; the Cold War (Korea, Suez, Cuba, Vietnam); Issues in the Middle East and India; the development of modern China; and Human Rights in South Africa and Civil Rights in the United States.

LAW 12 (MLST-12)

Knowledge of the law is presupposed in our legal system, as illustrated by the maxim, “ignorance of the law is no excuse”. Students in Law 12 will gain an understanding about how laws are applied and reviewed. Law 12 fosters skills and attitudes that enhance students' abilities to address legal, social, and ethical issues, and reflect critically on the role of law in society. The study of law also promotes the skills and abilities needed to clearly express ideas, argue effectively and logically, and accurately interpret the written word. With teacher permission, Law 12 can be taken by a student in Grade 11.

HUMAN GEOGRAPHY 12 (MHGEO-12)

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments

PHILOSOPHY 12 (MPHIL-12)

The aim of this course is not to tell you what to think, but to give you the skills to think for yourself. As a result of completing this course you will gain a greater understanding of ethical issues and a

deeper understanding of your own views on these issues. This course is a topical course organized around a set of key questions that invite conversation, analysis, and discussion.

These questions will be drawn from readings, discussions and activities generated from Pop Culture (music, stories, poems, cartoons, television programs, movies) that will be used to facilitate/develop answers to such questions as “Why do we believe, what we believe?” Should euthanasia be legalized?” “What is reality, and “Is no human an island”?

Further topics include slavery, destiny, human freewill, pursuing dreams, justice, beauty, racism, reality, fate, self and others, afterlife, reality, and the search for truth.

SOCIAL JUSTICE 12 (MSJ-12-ST)

What is social justice? Social Justice is the assurance that the basic human rights of all people are upheld. Examine social justice issues such as racism, homophobia, sexism, poverty, and globalization. This course will offer you the opportunity to look at the causes and consequences of oppression and injustice, both in Canada and globally. Challenge yourself to be an educated, fair and open-minded global citizen! This is a project and research-based course. Social Justice 12 is a Socials Studies Credit and is accepted for entrance at many universities and colleges.

SOCIAL STUDIES ELECTIVES

CRIMINOLOGY 12 (YLAW-2A-CR)

Criminology is the study of crime, the explanation of crime and the examination of crime reduction. Through readings, guest speakers, film, video and class discussions, students will examine the interactions between law and society, law and crime, law and the Criminal Justice System, and the Criminal Justice System and society. Criminology 12 differs from Law 12 in that Criminology is not interested in knowing the law; rather it focuses on the dynamics behind the law.

PSYCHOLOGY 11 & 12 (YPSYC-1A-PS/YPSYC-2A-PS)

Psychology is the study of human behaviour. As a psychology 11 or 12 student you will study and learn about the principles of psychology and the application of psychology to understand human behaviour. Specific topics will include abnormal behaviour, adolescence, childhood psychology, altered states of consciousness, personality theories and the workings of the mind and body. Curiosity and critical thinking combined with a desire to learn more about the mental functions and behaviours of humans will help you to understand the inner workings of the mind.

SPECIALTY COURSES

ATHLETIC LEADERSHIP (YHRA-1E-AL/YHRA-2E-AL)

Athletic Leadership is open to grade 11 and 12 students and is split into 2 streams: Traditional Athletic Leadership and First Aid Attendant Leadership. This course will be offered inside the timetable. Please read the individual descriptions below.

LEADERSHIP 9 - 12 (XLEAD09/YCPA-0A-LE/YIPS-2D-LE)

This amazing program is for individuals who are passionate about making a difference within their leadership class, the school and the extended community. Leadership will involve areas such as communication, team building, team delegation, organization, self-awareness, goal setting, and problem solving.

Students will be given the opportunity, and be encouraged, to develop their own leadership skills and to take risks and grow in positive, productive ways. Students will identify, develop, and refine their own positive leadership style. Within the class, student driven team-building processes will develop a sense of trust, responsibility for, and commitment to each other. This positive, non-threatening environment provides the structure for students to be willing to take risks, giving them the confidence to make a difference in the community.

Students will be encouraged to engage in social issues in hopes of inspiring them to make a contribution to the developing world. Students in leadership will help create an unforgettable school experience. Grades 9 through 12 are welcome to apply.

***An application is required. Please see Mrs. Liversidge for details.

STUDENT AIDE 12 (YIPS-2D-SA)

This course is for grade 12 students who have an interest in how teachers operate and how all students can best take advantage of their learning opportunities. Students learn a variety of learning and instructional strategies. The course may culminate in lesson planning or teaching, completing a case study, or specialized one on one tutoring. Student aide allows students a practical immersion into the dynamics of a teaching and learning environment.

***An application to the course is required. This can be acquired in the Counselling office.

YOGA 9-12 (XHL-09/YHRA-0B/YHRA-1D-YF/YHRA-2D-YF)

Are you interested in improving your overall flexibility, strength, and mental health? This class is for grades 11 and 12, and no experience is necessary. Whether you are trying to cope with the demands of being a teenager, or the tightness in your body from sports, yoga may be the answer. This course will introduce students to different styles of yoga through various poses and breathing techniques. Yoga has both physical and mental benefits leading to improved muscle tone, flexibility, balance, concentration and stress management. Course expectations include active participation in yoga routines and completion of a portfolio (this includes journals, reflections of lessons and artwork). Get ready to experience classes balanced with energy and relaxation while having fun!

YOGA 11 & 12 (YHRA-1D-YF/YHRA-2D-YF)

Are you interested in improving your overall flexibility, strength, and mind? This class is for grades 11 and 12, and no experience is necessary. Whether you are trying to cope with the demands of being a teenager, or the tightness in your body from sports, yoga may be the answer. The course will introduce students to different styles of yoga through various poses and breathing techniques. Yoga has both physical and mental benefits leading to improved muscle tone, flexibility, balance, concentration and stress management. Get ready to experience classes balanced with energy and relaxation while having fun!

WORK EXPERIENCE 12A & 12B

Work Experience 12 (WEX) programs are 4 credit elective work experience courses, designed for students who would like to explore one or more career pathways as part of their career planning process. Students must complete a minimum of 90 hours of paid or volunteer work usually in one particular focus area. Completion of these placement hours typically occurs through grades 11 and 12.

GOALS FOR WEX COURSES:

The primary goal of WEX is to help students prepare for the transition from secondary school to the world of work. Through WEX, students have opportunities to observe and practice employability skills required in the workplace, as well as technical and applied skills relating to specific occupations or industries. Other goals include helping students to: connect what they learn in the classroom with the knowledge, skills and attitudes needed in the workplace; gain the knowledge, skills and attitudes need to be successful in the workplace; develop job readiness skills for specific occupations and careers; and understand the similarities and differences in behaviour standards between the workplace and school.

DESIGN OF WEX COURSES:

WEX differs from most courses in that these courses are primarily designed to take place outside of the school setting. Students can be placed in paid or unpaid work placements and are covered by WorkSafe. At least 90 hours of course time must consist of actual work placements. The work experience does not need to occur at just one site but may take place at multiple sites.

TYPES OF ACTIVITIES:

The types of activities that are eligible for WEX include: hands-on work experience at a standard work site (business, government, non-profit or volunteer organization); job shadowing a worker at a standard work site; or career mentoring with a worker at a standard work site. Benefits of this course to the students include develop skills and practical experience; Grade 12's may receive a certificate; get extra graduation credits; use your hours for Community Connections (Career Life Connections – Capstone); raise your GPA; and contribute to your community. For more information, or to sign up, please visit the Career Centre.